

ISO/TS 23099:2026-03 (E)

Large yachts - A methodologic framework to assess large yachts (30m+) on their environmental performance and credentials

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Operational profile		5
4.1 General		5
4.2 Speed profile		5
4.3 Shore power availability		6
4.4 Sailing correction		6
4.5 Total operational profile		10
5 Propulsion power		11
6 Hotel power		11
6.1 Determination of hotel power		11
6.2 Hotel power in various conditions		12
6.3 Heat recovery systems		13
6.4 Onboard sustainable power generation		13
7 Matching power demand and supply		13
7.1 General		13
7.2 Shore power use		13
7.3 Diesel direct, hybrid and diesel electric systems		14
7.3.1 Diesel direct or hybrid propulsion		14
7.3.2 Diesel electric propulsion		14
7.3.3 Other propulsion systems		14
7.4 Matching procedure		14
7.5 Batteries		15
7.6 Lack of factory specific emission data		15
7.6.1 General		15
7.6.2 Generic emissions		15
7.6.3 Generic effect of exhaust treatment systems		16
8 Environmental impact		17
8.1 General		17
8.2 Upstream (WtT) impact		17
8.3 Downstream (TtW) impact		17
8.4 Use of alternative fuels		18
8.4.1 General		18
8.4.2 HVO		18
8.4.3 Methanol		18
9 Fleet reference lines		19
Annex A (informative) Sail power calculation, $P_{s,eff}$		20
Annex B (informative) Calculation example		23
Bibliography		28